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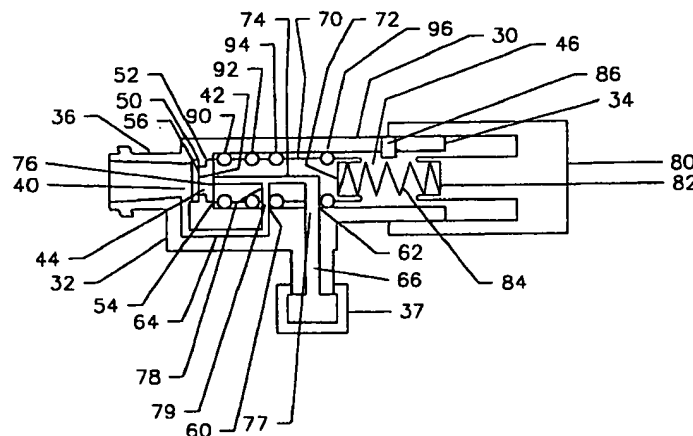
(30) Priority: **14.09.1998 US 152967**

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(54) Pressure limiting device

(57) An apparatus for limiting the pressure of inflation fluid injected into one or more balloon of a catheter device comprising a reservoir chamber having an inlet port coupled in fluid communication with an inflation/deflation device and a plurality of outlet ports coupled in fluid communication with a plurality of cylindrical housings. Each cylindrical housing includes a pressure chamber and a valve chamber. The valve chamber receives a piston moveable between a fully open position and a closed position and spring biased toward the fully open position. Each housing includes an outlet port coupled in fluid communication with a separate balloon of a catheter device. Each piston includes an internal

flow path which enables the flow of pressurized inflation fluid from the reservoir chamber to the balloon catheter when the pressure of the inflation fluid within the balloon is below the desired cut-off pressure. As the pressure of the inflation fluid within each balloon increases, the associated piston is urged toward its closed position. When the inflation fluid within the each balloon reaches the predetermined cut-off pressure level, the associated piston moves to the closed position and cuts-off the flow of inflation fluid from the reservoir chamber to the respective balloon.

**FIGURE 2****EP 0 988 870 A3**



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Place of search BERLIN		Date of completion of the search 10 May 2000	Examiner Jameson, P
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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